

SHARP



VC-MH722LM

VIDEO CASSETTE RECORDER OPERATION MANUAL

- NICAM HiFi STEREO
- 6 HEAD LONG PLAY
- VPS/PDC
- AUTO SORTING & CLOCK SET
- LOW POWER FEATURE
- CHILD LOCK
- SHARP SUPER PICTURE
- POST CODE SECURITY
- NTSC SIMPLE PLAYBACK



VIDEO *plus*

Dear SHARP Customer

Thank you for buying this SHARP VCR. Given proper care it will provide years of entertainment for the whole family. Please read this operation manual carefully before attempting to operate the VCR.

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- **VIDEOplus+** system is manufactured under license from Gemstar Development Corporation.

THIS MANUAL COVERS A RANGE OF MODELS. ALL OF THE FEATURES MENTIONED MAY NOT NECESSARILY APPLY TO YOUR VCR.

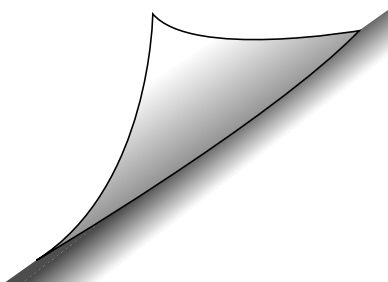


SAFETY WARNINGS

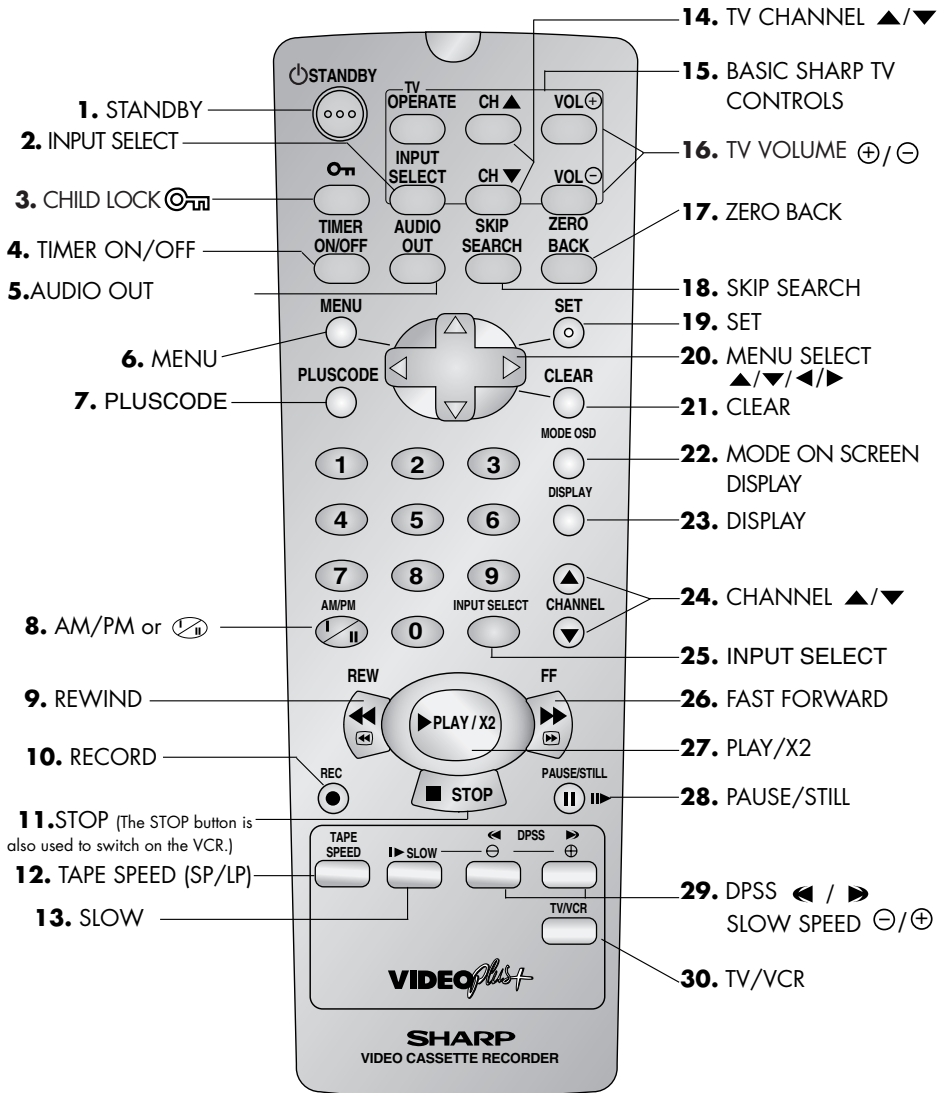
Observe all warnings for your safety and to ensure trouble free use of your VCR.

INFORMATION

Additional information complements instructions.



VCR REMOTE CONTROL



VCR FRONT PANEL/REMOTE CONTROL EQUIVALENT FUNCTIONS.

If you prefer, or if remote control batteries fail, you will need to use the VCR front panel controls. The only differences in function are shown below:

FUNCTION OSD (On-Screen Display)	OPERATION WITH REMOTE CONTROL	OPERATION WITH VCR FRONT PANEL
Moving UP/DOWN menu Moving LEFT/RIGHT menu	[▲/▼] buttons [◀/▶] buttons	CHANNEL ▲/▼ buttons. Rotate the shuttle dial COUNTER CLOCKWISE/CLOCKWISE

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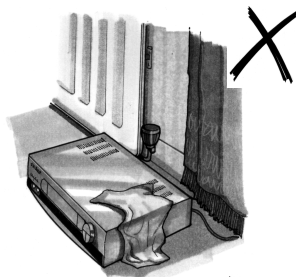
BEFORE USING YOUR VCR

IMPORTANT NOTES ON YOUR VCR

IDEAL VCR LOCATION

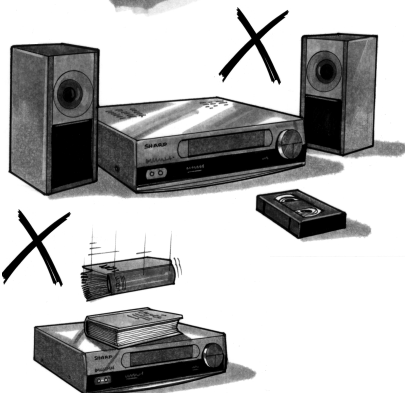
PLACE THE VCR..

- ... on a flat level surface away from radiators or other heat sources and out of direct sunlight.
- ... and video tapes away from magnetic sources such as speakers or microwave ovens.
- ... at least 8" (20cm) away from the TV.
- ... away from curtains, carpets or other materials and allow ventilation space around the VCR.



DO NOT...

- ... block the air-vent openings.
- ... expose the VCR to excessive dust, mechanical vibration or shock.
- ... place any heavy object or liquid on top of the VCR. If liquid drops inside the VCR unplug immediately and contact your SHARP dealer. Do not use the VCR.
- ... insert or drop anything into the tape compartment or through the air-vents, as this could result in serious damage, fire or an electric shock.

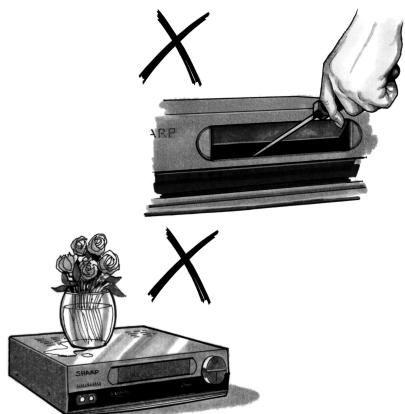


POWER SOCKETS

- To avoid overheating or even fire, insert the plug correctly into the socket.

DO NOT...

- ... overload power sockets, this may cause a fire or electric shock.
- ... pull the power cord to disconnect the plug from the mains.
- ... bind the power cords together.
- This VCR is not equipped with a mains power switch. Accordingly, nominal current to drive the clock is drawn at all times when the AC power cord is plugged into a wall socket. If the VCR is not to be used for an extended period be sure to unplug the cord.



If problems persist contact the SHARP Helpline on tel: 0990-274277

BEFORE USING YOUR VCR

UNPACKING THE ACCESSORIES

CHECK ALL THESE ACCESSORIES ARE SUPPLIED WITH YOUR VCR. CONTACT YOUR DEALER IF ANY ARE MISSING.



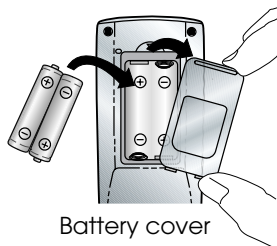
(TYPE AA/R6/UM3) BATTERIES (X2)

for the remote control unit.



RF CONNECTION CABLE

connects the VCR to the TV.



To fit the batteries into the remote control

Remove the battery cover on the back of the remote control.

Fit the batteries: \ominus to \ominus and \oplus to \oplus . terminals. Place the battery cover back into position.



Remote Control

- Remote Control must be pointed towards the VCR to operate.
- Do not expose to liquid or shock.
- May not function if the VCR is in direct sunlight or any other strong light.
- Replace both alkaline batteries (type AA/R6/UM3) if the remote control fails.
- Remove the batteries and keep in a safe place if you do not plan to use the VCR for several months.
- Remove and dispose of flat batteries safely and promptly.
- Incorrect use of batteries may cause them to leak or burst.

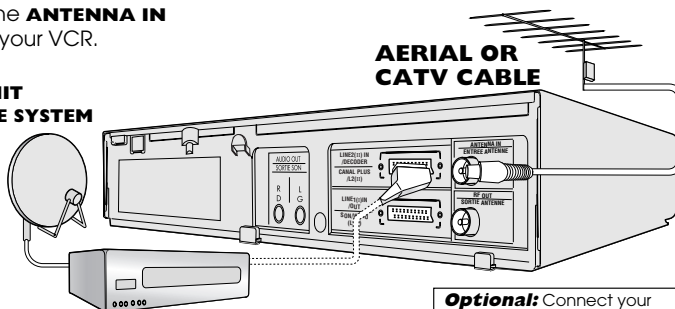
If problems persist contact the SHARP Helpline on tel: 0990-274277

INSTALLING YOUR VCR

CONNECTING THE CABLES

- 1 Connect your existing aerial cable to the **ANTENNA IN** socket on your VCR.

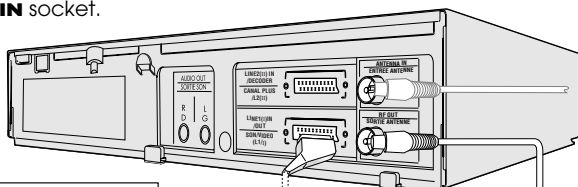
**DECODER UNIT
OR SATELLITE SYSTEM**



**AERIAL OR
CATV CABLE**

Optional: Connect your Satellite receiver or decoder to the VCR using a scart lead to **LINE 2 IN/DECODER** socket on the VCR.

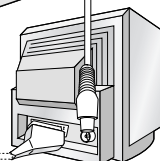
- 2 Connect your TV to the VCR using the supplied RF connection cable, i.e. connect the VCR **RF OUT** socket to the TV **AERIAL IN** socket.



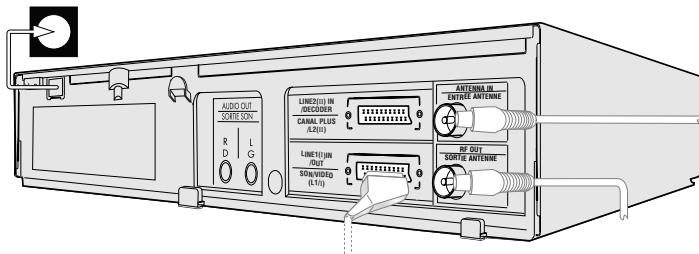
Optional SCART (not supplied). If you have a scart lead connect it to your TV and **LINE 1 IN/OUT** socket on the VCR.

- The advantage of a Scart connection is improved picture and sound quality during playback.

**BACK OF
TELEVISION**



- 3 Connect the VCR to the mains.





✓ **The VCR is correctly connected.**

If problems persist contact the SHARP Helpline on tel: 0990-274277

INSTALLING YOUR VCR

TUNING THE TV INTO THE VCR

IMPORTANT NOTE: By pressing the **STANDBY** button, the VCR will toggle between **STANDBY** and **LOW POWER** modes. The VCR display will not be illuminated in **LOW POWER** mode.

1. Press the  **STANDBY** button to ensure your VCR is in the STANDBY mode (not in LOW POWER mode).
2. Press and hold the  **MENU** button located on VCR front panel for 3 seconds. The VCR will search and display an ideal channel.
Wait for the flashing channel number to appear on the VCR display.



CAUTION:

If the clear button is pressed at this point it will not allow the TV to be tuned to the VCR. Refer to RF through ON/OFF below.

3. Switch on the TV.

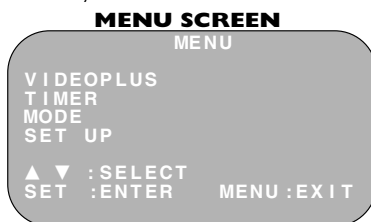


4. Select the next available or unused channel on your TV, this will become the dedicated video channel.

Example of
TV channels

1 = BBC1	4 = Channel 4
2 = BBC2	5 = Channel 5
3 = ITV	? = VCR

5. Tune the selected channel on your TV until the screen below appears.



(Blue background
with white text)

Store this as your VCR channel. (Refer to your TV manual for instructions on how to tune in your TV).

6. Press the  **SET** button to place the VCR back into STANDBY. (The MENU screen will not be displayed when the VCR is in STANDBY mode.)

NOTES:

- If you have a preferred channel, the RF channel can be set manually (21-69) after Step 2 using (▲ / ▼) keys.

RF THROUGH ON/OFF:

- If you wish to connect your VCR to the TV with only a scart lead, the RF Output on your VCR can be turned OFF and ON by pressing the **CLEAR** button then **SET** to return to STANDBY at point 2. This will help minimise interference.

If problems persist contact the SHARP Helpline on tel: 0990-274277

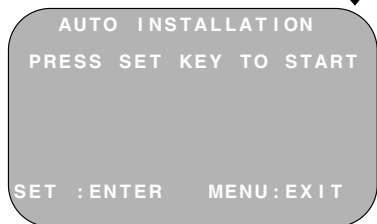
INSTALLING YOUR VCR

AUTO INSTALLATION

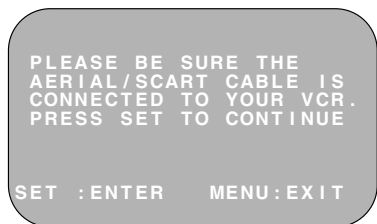
These models automatically tune the TV channels for your area, then using Teletext information sort the TV channels into a standard order and set the clock.

Turn the TV on and select the video channel. (As previously explained).

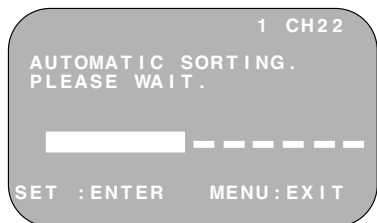
1. Press **STOP** to switch on the VCR.
2. Follow the instructions that appear on the TV screen by pressing the **SET** button. (Auto tune may take a few minutes)



Press the **SET** button.

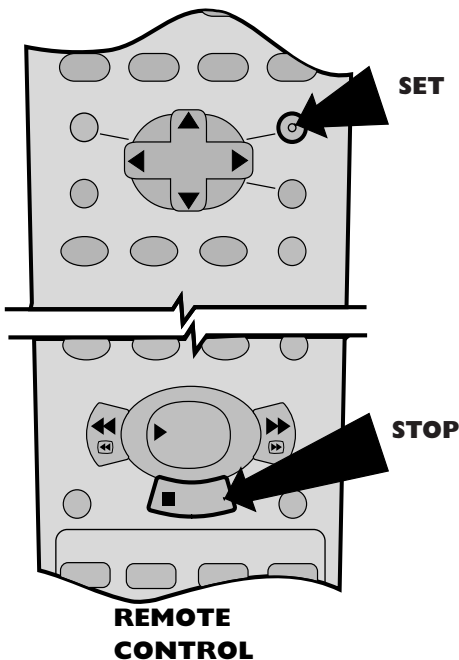


Press the **SET** button.



See next page to continue

Button positions for your reference.



NOTE:

- If the AUTO INSTALLATION screen doesn't appear when you switch on your VCR or you wish to reset your VCR and start the installation again, refer to **VCR RESET** at the back of the book.

If problems persist contact the SHARP Helpline on tel: 0990-274277

INSTALLING YOUR VCR

INSTALLATION CONTINUED

On completion, the **MOVE MENU** will appear showing the standard channel order.

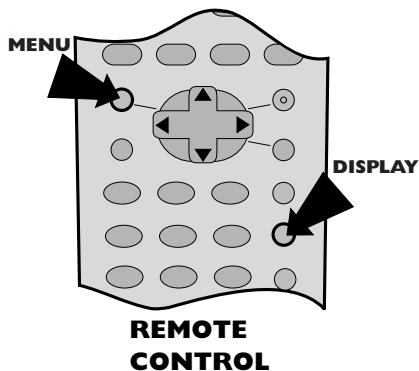
3 Press **MENU** to exit.

MOVE			1 / 5
1BBC1	7	13	
2BBC2	8	14	
3ITV	9	15	
4CH4	10	16	
5CH5	11	17	
6	12	18	
▲▼◀▶ : SELECT			
SET : ENTER MENU : EXIT			

If you wish to change the channel order refer to **MANUALLY SORTING CHANNELS - Sorting the channels into your preferred order.**

To check the clock has been set correctly, press **DISPLAY** until the time appears on the VCR display.


If the clock is not automatically set, the clock screen will appear, refer to **MANUALLY SETTING THE CLOCK** for help on setting the time and date.



BASIC OPERATION

IMPORTANT NOTES ON YOUR VCR AND VIDEO TAPES

VIDEO TAPES

- If you use only good quality video tapes, generally it will not be necessary to clean the video heads.
- If poor quality tapes are used, or if a tape is loaded after changing VCR location, oxide from the tape may "clog" the video heads. This will cause the playback picture to be "snowy", or even disappear.
- To remove minor contamination run a video tape in visual search mode. If this fails, you will need to have the heads cleaned by a SHARP Service Facility. Please note, if cleaning is necessary it is not covered by the guarantee.
- Use video tapes which carry the  mark.

HOW TO PLAYBACK A VIDEO TAPE



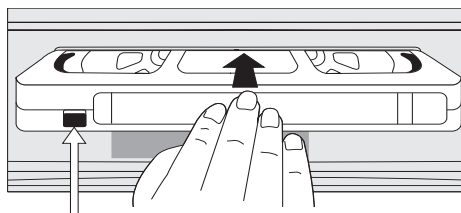
BEFORE YOU PLAYBACK A VIDEO TAPE

Condensation forms in the VCR when it is moved out of or into a warm place. If you try to playback or record, the video tape and VCR may be damaged. Turn the VCR on and wait for about two hours until the VCR reaches room temperature before operating.

PLAYBACK

1. Switch on your TV and select the video channel.
2. Carefully push a pre-recorded video tape into the tape compartment. This will switch the VCR on.

- If the record-protection tab has been removed, the VCR will start playback as soon as the video tape has been loaded.



Record protection tab

3. To start playback, press **PLAY/ X2** (▶).

If problems persist contact the SHARP Helpline on tel: 0990-274277


BASIC OPERATION

HOW TO PLAYBACK A VIDEO TAPE

SHARP SUPER PICTURE should enhance the picture quality during playback. It is normally set to ON. To turn **SHARP SUPER PICTURE** on or off press **SUPER P.** on the VCR front panel.

- For double speed playback (without sound), press **PLAY/X2** (▶) again.
- To revert to normal playback, press **PLAY/X2** (▶) again.
- To stop the video tape, press **STOP** (■).
- To eject the tape press **EJECT** on the VCR.

PICTURE DISTURBANCE DURING PLAYBACK

This VCR has an automatic tracking system which reduces picture disturbance when you start to playback a video tape. When auto-tracking is in operation  flashes on the on-screen display. If the picture still has disturbance you may need to manually track the video tape:

During PLAYBACK of a video tape.

- Press **CHANNEL** ▲ or ▼ to position picture interference off the TV screen. (Manual Tracking)
- Press **CHANNEL** ▲ and ▼ buttons together to start Auto Tracking.

PAUSING AND SLOW MOTION

1. Press **PLAY/X2** (▶) to start the video tape playing.
2. To pause the video tape, press **PAUSE/STILL** (||).
- To minimise jitter whilst in pause mode press **CHANNEL** ▲ or ▼.
- Press **PLAY/X2** (▶) to resume playback.
3. To playback in slow motion (without sound) press **SLOW** on the remote control. Slow motion speed can be adjusted using the ⊖ or ⊕ buttons next to the slow button. Picture disturbance can be improved by using the **CHANNEL** ▲ or ▼ during slow motion playback.
- Press **PLAY/X2** (▶) to resume playback.



Remote Control

NOTES:

- When using SLOW MOTION function some mechanical noise may be heard.
- There will be picture interference and possibly a change to black and white picture using Pause and Slow functions.
- PAUSE mode will disengage after about 5 minutes.

If problems persist contact the SHARP Helpline on tel: 0990-274277

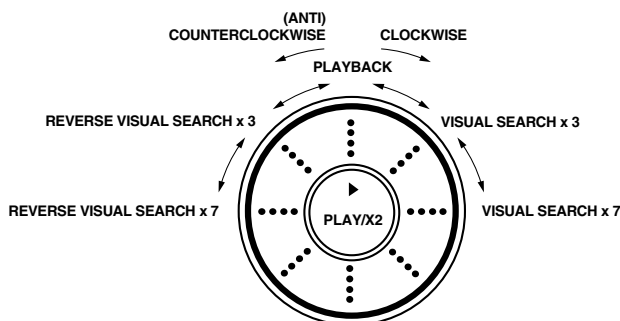
BASIC OPERATION

HOW TO PLAYBACK A VIDEO TAPE

FAST FORWARDING/REWINDING A VIDEO TAPE

1. Press **STOP** (■) to stop the video tape.
2. Press **FAST FORWARD** (▶▶)/**REWIND** (◀◀) on the remote control or rotate the shuttle dial clockwise for Fast Forward and counter clockwise for Rewind then release.
3. To stop fast forward/rewind, press **STOP** (■).

FORWARD/REVERSE VISUAL SEARCH



Visual Search can be operated during playback by either the Fast Forward/Rewind buttons on the remote control or by using the shuttle dial on the VCR front panel.

Remote Control Operation

1. Press **FAST FORWARD** (▶▶)/**REWIND** (◀◀) during playback.
2. To decrease the speed, press **FAST FORWARD** (▶▶)/**REWIND** (◀◀) again.
3. Press **PLAY/X2** (▶) to resume playback.

OR: Shuttle Dial Operation

As the Shuttle dial is rotated a soft click can be felt. During playback, rotating the dial one click clockwise will make the VCR enter Visual search x 3 mode. An additional click clockwise or counter clockwise will change the operation as illustrated above.

The start position shown above is only an example. The Shuttle dial can be operated from any position.

Press **PLAY/X2** (▶) to resume playback at any time, or rotate the shuttle dial clockwise/counter clockwise until the playback function is selected.



Remote Control

NOTE:

- There will be picture interference and possibly a change to black and white picture using Visual Fast Forward/Rewind functions.

If problems persist contact the SHARP Helpline on tel: 0990-274277

BASIC OPERATION

IMMEDIATE RECORDING

SELECTION OF A CHANNEL

Select the channel by using the number buttons on the remote control, or select the next/previous channel by pressing **CHANNEL** (▲ or ▼).

To change between single digit and 2-digit channel numbers, press **AM/PM** (⏏).

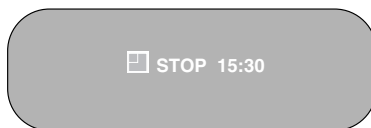
For example, for channel 24, press **AM/PM** (⏏) then press **2 4**.

You can record the channel you are watching or a different channel.

1. Insert a video tape into your VCR.
2. Select the channel you wish to record on the VCR.
3. To start recording, press **REC** (●).
4. To pause during recording, press **PAUSE/STILL** (⏏).
5. To continue recording, press **REC** (●).
6. To stop recording, press **STOP** (■) once.

SIMPLE TIMED RECORDING:

1. To specify a stop time, press **REC** (●).
2. Each additional press of **REC** (●) will delay the stop time by 10 minutes.
3. To stop recording at any time, press **STOP** (■) once.



Remote Control

NOTES:

- If the tape ends before the recording is complete the VCR will stop recording, rewind, eject the tape and place the VCR into STANDBY mode, or just eject the tape and place the VCR in STANDBY timer mode if the VCR is in timer record mode.
- If the VCR ejects the video tape when you press **REC** (●) the tape is record protected. i.e. record protection tab has been removed.

BASIC OPERATION

HOW TO USE VIDEOPLUS+ TO MAKE A RECORDING

Before you start!

- If  appears on the VCR display, press **TIMER ON/OFF** to remove the  symbol.
- Check that the VCR clock is displaying the correct time.





VIDEOPLUS+ allows you to program the VCR to record up to eight programmes using the VIDEOPLUS+ numbers published in TV listings (refer to your daily newspaper or TV magazine).

1. Press the **PLUSCODE** button on the remote control.
2. Enter the VIDEOPLUS+ number from the TV listing using the **NUMBER BUTTONS**.



NOTE:

- An ERROR message will appear if you have entered a number that is not a current VIDEOPLUS+ number. If this happens press **CLEAR** to delete the numbers as required and enter the correct VIDEOPLUS+ number

3. Press the (/) menu select buttons to select ONCE, WEEKLY, DAILY.
4. If you want to make additional recordings at the same time each day or week, then use (/) to select the WEEKLY, or DAILY option as appropriate.
5. Press **SET** to confirm.

MENU SELECT BUTTONS

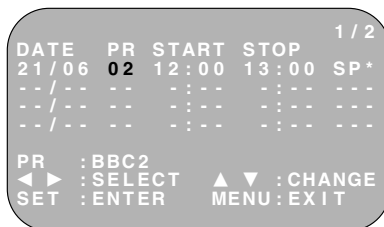


NOTE:

- Check that the menu list agrees with the times shown in the TV listing. If it does not press **CLEAR** to return to the VIDEOPLUS+ menu, and re-enter the correct VIDEOPLUS+ number

The first time that you use VIDEOPLUS+ to make a recording on each channel Preset, (PR) may be highlighted on the On-Screen Display.

6. Enter the channel you wish to record using the **NUMBER BUTTONS**, for example if you wish to record channel 2 press **0 2**. The VCR will remember this for the future.



See next page to continue ➡

If problems persist contact the SHARP Helpline on tel: 0990-274277

BASIC OPERATION

HOW TO USE VIDEO^{plus} TO MAKE A RECORDING

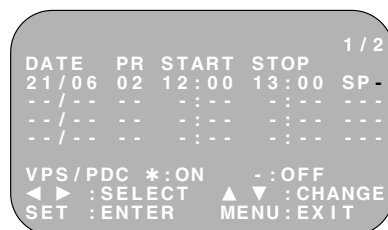
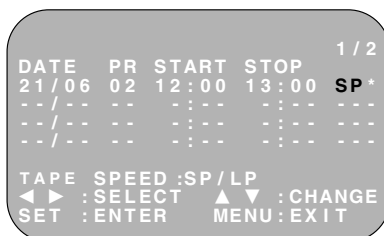
7. If your VCR has long play facility and you wish to change the **RECORDING SPEED**, use the (◀ / ▶) to highlight SP. Press (▲ / ▼) to select standard play (SP) or long play (LP) as required.

8. (See **NOTE** below). For VPS/PDC setting use (◀ / ▶) to highlight the final column. Using the (▲ / ▼) will select VPS/PDC ON or OFF (* = ON - = OFF).

9. Press **SET** to confirm the programme. The VIDEOPLUS+ menu will reappear. If you wish to enter further VIDEOPLUS+ recordings repeat this procedure.

10. When you have completed entering timer settings, press **MENU** to remove the menu from the TV screen.

11. Ensure that the tape on which you wish to record is inserted into the VCR, then press **TIMER ON/OFF** once to place the VCR in **TIMER STANDBY** mode. [] will be shown on the display.



NOTES:

- You may also access the VIDEOPLUS+ menu by the following procedure:
 - Press **MENU**.
 - The VIDEOPLUS+ option will be highlighted. Press **SET** to confirm. Continue from step 2 above.
- VPS/PDC is a signal broadcast by some TV stations which adjusts the start and stop time of your VCR recording. This ensures that if there is a change in broadcast time for your programme the VCR will still record the whole programme. It is essential that the start time as it appears in the TV listing is used to program the VCR, as this information is used to identify the VPS/PDC signal corresponding to your programme.
- If [] flashes a video tape has not been inserted into the VCR.
- If the video tape is ejected when the VCR tries to record the record protection tab has been removed.
- During recording, press **STOP** (■) to cancel the recording. If there are further recordings to be made, the VCR will return to **TIMER STANDBY**.


If problems persist contact the SHARP Helpline on tel: 0990-274277

BASIC OPERATION

HOW TO SET A DELAYED RECORDING

You can make a maximum of eight delayed recordings up to a year in advance.

The example shown is for 24-hour clock operation. To change to 12-hour clock operation refer to **MANUALLY SETTING THE CLOCK** section of this manual.


12-hour clock am/pm can be selected using the **AM/PM**  button on the remote control.

Before you start!

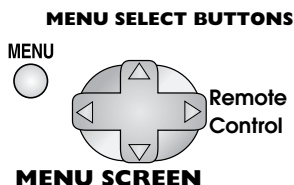
- If  appears on the VCR display, press **TIMER ON/OFF** to remove the  symbol.
- Check that the VCR clock is displaying the correct time.

SETTING A RECORDING

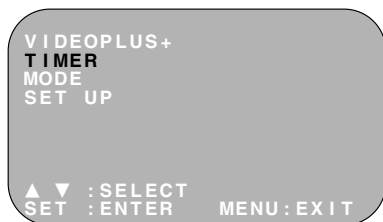
For example: Recording a programme on channel 3 from 21:05 to 22:30 on July 9th.

1. Press **STOP** () to ensure that the VCR is switched on.

2. Press the **MENU**  button .



3. Press the () () menu select buttons to select **TIMER**. Press **SET** to confirm.




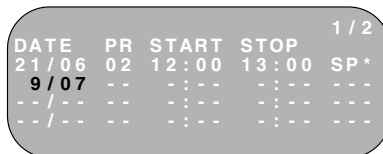
4. Press **SET** again, the on-screen display will now show today's date.

If you wish to change the date use the

() () or the **NUMBER BUTTONS**. Enter two digits for the day, then two for the month.

For example for July 9th, press **0 9** (9th), then **0 7** (July).

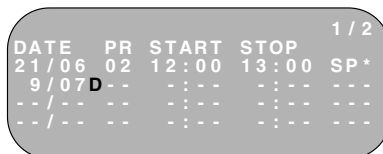
When the correct date for your recording is shown, press the  menu select button to move to the next setting.






5. If you want to make additional recordings at the same time each day or week, use

() () to select D (daily) or W (weekly).

Then press  to move to the next setting.



6. Enter the channel number using the () () or the **NUMBER BUTTONS**. For example to record a programme on channel 3, press 0 3. Then press  to move to the next setting.

If problems persist contact the SHARP Helpline on tel: 0990-274277

BASIC OPERATION

HOW TO SET A DELAYED RECORDING

7. Enter the start time using the (▲/▼) or the **NUMBER BUTTONS**, hours first then minutes (when entering less than 10 hours or minutes add a '0' before the number), for example for 21:05 start, press **2 1 0 5**. Then press **▶** to move to the next setting.

						1 / 2
DATE	PR	START	STOP			
21/06	02	12:00	13:00	SP*		
9/07	D03	21:05	-:-:-	SP*		
-/-/-	-	-:-:-	-:-:-	-:-:-	-:-:-	-:-:-
-/-/-	-	-:-:-	-:-:-	-:-:-	-:-:-	-:-:-

8. Enter the stop time, for example for 22:30 stop, press **2 2 3 0**.

9. If your VCR has long play facility and you wish to change the **RECORDING SPEED**, use the (◀/▶) to highlight SP. Press (▲/▼) to select standard play (SP) or long play (LP) as required.

						1 / 2
DATE	PR	START	STOP			
21/06	02	12:00	13:00	SP*		
9/07	D03	21:05	22:30	LP*		
-/-/-	-	-:-:-	-:-:-	-:-:-	-:-:-	-:-:-
-/-/-	-	-:-:-	-:-:-	-:-:-	-:-:-	-:-:-

10. (See note below). For VPS/PDC setting use the (◀/▶) to highlight the final column. Using the (▲/▼) will select VPS/PDC ON or OFF (* = ON - = OFF).

						1 / 2
DATE	PR	START	STOP			
21/06	02	12:00	13:00	SP*		
9/07	D03	21:05	22:30	LP-		
-/-/-	-	-:-:-	-:-:-	-:-:-	-:-:-	-:-:-
-/-/-	-	-:-:-	-:-:-	-:-:-	-:-:-	-:-:-

11. Press **SET** to confirm.

- The MENU now shows all the timer settings you have entered. If you wish to make additional timer recordings, repeat this procedure.
12. When you have completed entering timer settings, press **MENU** to remove the menu from the TV screen.
13. Ensure that the tape on which you wish to record is inserted into the VCR, then press **TIMER ON/OFF** once to place the VCR in **TIMER STANDBY** mode. **▶** will be shown on the display.

NOTES:

- VPS/PDC is a signal broadcast by some TV stations which adjusts the start and stop time of your VCR recording. This ensures that if there is a change in broadcast time for your programme the VCR will still record the whole programme. It is essential that the start time as it appears in the TV listing is used to program the VCR, as this information is used to identify the VPS/PDC signal corresponding to your programme.
- If **▶** flashes a video tape has not been inserted into the VCR.
- If the video tape is ejected when the VCR tries to record the record protection tab has been removed.
- During recording, press **STOP** (■) to cancel the recording. If there are further recordings to be made, the VCR will return to **TIMER STANDBY**.

If problems persist contact the SHARP Helpline on tel: 0990-274277



BASIC OPERATION

HOW TO CHECK, CHANGE AND CANCEL A DELAYED RECORDING

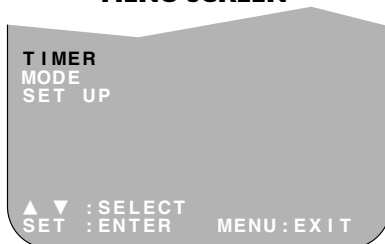
Before you start!

- If  appears on the VCR display, press **TIMER ON/OFF** to remove the  symbol.







CHECKING A RECORDING

- Press **STOP** to switch on the VCR.
 - Press **MENU**.
 - Press (/) to select **TIMER**. Press **SET** to confirm.
- All the delayed recordings in the VCR's memory will be shown.
- If the settings are correct press **MENU** to exit.
- If you wish to change or cancel any settings, follow the procedures below.

MENU SCREEN





CHANGING A RECORDING

- Follow steps 1 to 3 of **CHECKING A RECORDING**.
- To change a delayed recording, press (/) to highlight the recording, then press **SET** to select.
- Press (/) to highlight the setting to be changed and correct it by using the (/) or the **NUMBER BUTTONS**.
- When all corrections are complete press **SET** to confirm, then press **MENU** to exit.

					1 / 2
DATE	PR	START	STOP		
21 / 06	02	12 : 00	13 : 00	SP *	
-- / --	--	-- : --	-- : --	--	--
-- / --	--	-- : --	-- : --	--	--
-- / --	--	-- : --	-- : --	--	--

CANCELLING A RECORDING

- Follow steps 1 to 3 of **CHECKING A RECORDING**.
- To cancel a delayed recording, press (/) to highlight the recording to be cancelled, then press **CLEAR**.
- Press **MENU** to exit.

					1 / 2
DATE	PR	START	STOP		
21 / 06	02	12 : 00	13 : 00	SP *	
-- / --	--	-- : --	-- : --	--	--
-- / --	--	-- : --	-- : --	--	--
-- / --	--	-- : --	-- : --	--	--

NOTE:

- If there are some programmes to be recorded, do not forget to press **TIMER ON/OFF** button to return the VCR to TIMER STANDBY mode.

If problems persist contact the SHARP Helpline on tel: 0990-274277

ADVANCED OPERATION

AUDIO AND YOUR VCR (Hi-Fi VCR'S ONLY)

HI-FI STEREO SOUND

Stereo sound is possible from this VCR if you have a **stereo TV connected to the VCR with a scart lead**, or audio equipment connected with audio phono leads. The VCR is normally set so that stereo sound is possible. The sound output from the VCR is controlled by the **AUDIO OUT** button on the remote control. If you wish to change the sound output you can use the **AUDIO OUT** button as follows:

- Press **AUDIO OUT** once. The LEFT audio channel will be sent to BOTH speakers. **L** will appear on the VCR display.
- Press **AUDIO OUT** twice. The RIGHT audio channel will be sent to BOTH speakers. **R** will appear on the VCR display.
- Press **AUDIO OUT** three times. The MONO track will be sent to BOTH speakers. **L** and **R** will disappear from the VCR display.
- Pressing **AUDIO OUT** a fourth time, normal Hi-Fi stereo sound will be heard. **L** and **R** will appear on the VCR display.

NICAM Hi-Fi STEREO SOUND

Your VCR can receive and record programmes broadcast in NICAM sound (the factory pre-set condition for NICAM is AUTO). NICAM sound may not be stereo, this depends on the programme being received.

Audio is automatically recorded in two different ways:

- (i) Hi-Fi: Using specialised rotary heads, two audio signals are recorded on to the tape. These will be stereo, mono or bilingual depending on the sound being received.
- (ii) Normal: A mono recording is also made on the conventional analogue audio track.

4. Press **MENU** to display the main menu on the screen.
5. Press (▲ / ▼) to select MODE.
6. Press **SET**. NICAM will be selected.
7. Press (◀ / ▶) to select OFF.
8. Press **SET**, to return to the menu screen.
9. Press **MENU**, to exit to normal screen.



NOTES:

- If the tape being played back does not carry sound recorded on Hi-Fi tracks, L and R will not appear on the display.
- If the sound contains 'crackling' or 'popping' noises the sound quality may be improved by adjusting the tracking using CHANNEL ▼ / ▲.
- If the poor quality is for a long period the VCR will automatically select the mono track and the sound will be in mono.
- Not all TV transmitters provide NICAM sound. In this case the VCR automatically switches to receive the mono signal.
- NICAM sound may not be stereo.

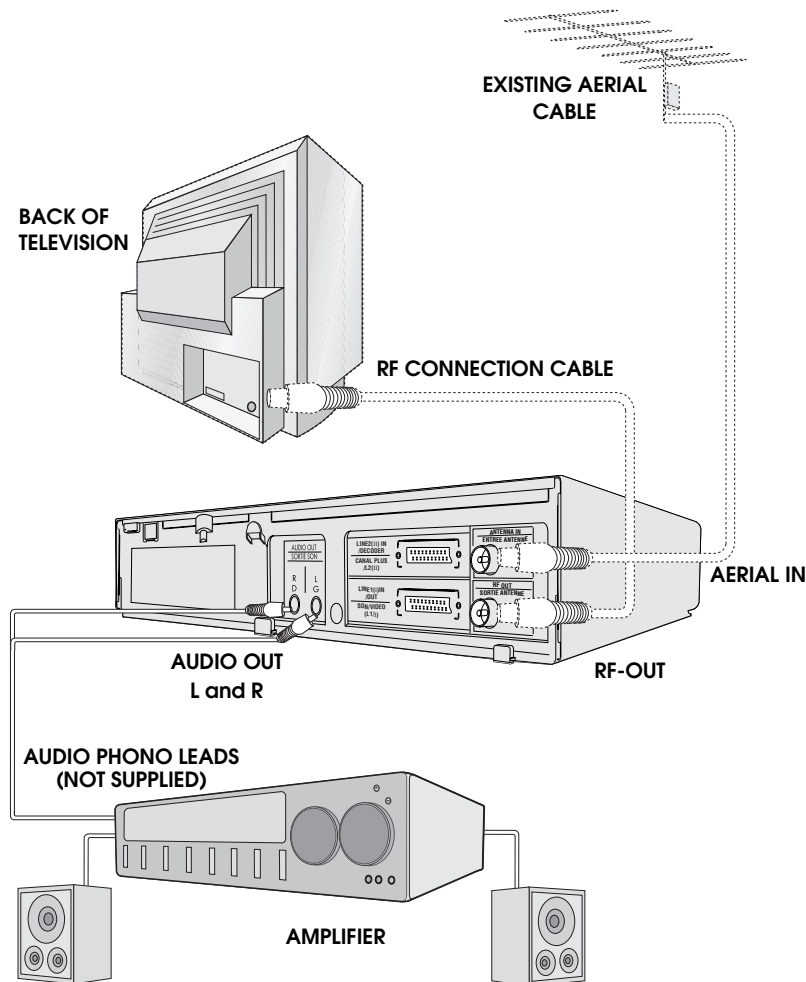
If problems persist contact the SHARP Helpline on tel: 0990-274277

ADVANCED OPERATION

AUDIO AND YOUR VCR (Hi-Fi VCR'S ONLY)

CONNECTING TO AUDIO EQUIPMENT

The diagram below shows how to connect your VCR to audio equipment. When connected in this way stereo sound is possible from the speakers.



If problems persist contact the SHARP Helpline on tel: 0990-274277

ADVANCED OPERATION

PLAYBACK OF A VIDEO TAPE

CHECKING THE AMOUNT OF TAPE REMAINING

When you load a video tape into the VCR it can calculate approximately the amount of video tape remaining in hours and minutes. This is useful in determining whether or not there is sufficient tape left to make a recording.

When a video tape is playing, the amount of tape remaining is calculated for you automatically.

To display the amount of video tape remaining:

1. Load the video tape into the VCR
2. Press **DISPLAY** on the remote control as many times as necessary until "R" appears on the VCR display. The tape will wind forward and then return to its original position. The tape remaining will be shown on the VCR display in hours and minutes.
By pressing the **TAPE SPEED** button on the remote control the remaining time will change between long play and standard play.

For example,
in standard play 1 hour 23 minutes is left on the tape:



in long play 2 hour 46 minutes is left on the tape:



NOTES:

- If tape remaining function is interrupted, the remaining time will not be displayed.
- If less than 5 minutes of tape remains the display will flash.

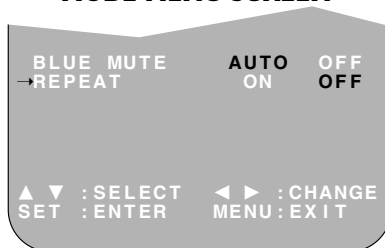
PLAYING BACK A VIDEO TAPE REPEATEDLY

You can set your VCR to automatically rewind at the end of playing a video tape and replay the entire tape again. REPEAT will appear on the on-screen display when selected.

To use this feature:

1. Press **MENU** to display the main menu on the screen.
2. Press the (△/▽) menu select buttons to select MODE.
3. Press **SET**.
4. Press (△/▽) to select REPEAT.
5. Press (◀/▶) to select ON.
6. Press **SET**.
7. Press **MENU** to return to normal screen.

MODE MENU SCREEN



If problems persist contact the SHARP Helpline on tel: 0990-274277

PLAYBACK OF A VIDEO TAPE

PLAYING BACK AN NTSC TAPE

NTSC (National Television Standards Committee) is a different TV standard to PAL and is used in some Non-European Countries. Your VCR can playback pre-recorded NTSC tapes onto a PAL system TV, but cannot record an NTSC signal onto a video tape.

Note that..

- You cannot record NTSC signals or dub NTSC tapes onto other VCR's from this VCR.
- You cannot use Slow speed, Still frame, Double Speed, Frame Advance or Tape Remaining with a pre-recorded NTSC tape.
- On some televisions, the picture may appear in black and white or there may be no picture. This does not indicate a fault with your VCR.
- On some televisions, the picture may shrink vertically causing black bands to appear at the top and bottom of your screen.
- On some televisions, the played-back picture may roll vertically, this does not indicate a fault with your VCR.

ADVANCED OPERATION

DIGITAL DISPLAY

TIME OF DAY

Shows current time of day, if the clock is set.

Press **DISPLAY** until the time of day appears. For

example, 21:20 appears:



OPERATION MODE

Shows status of tape. Press **DISPLAY** until the display

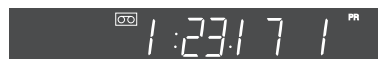
appears, for example:



TAPE COUNTER AND ZERO BACK

Tape counter measures the current position of the video tape in real time. ZERO BACK uses the tape counter to determine a specific point on a tape you may wish to return to.

1. Press **DISPLAY** until tape counter appears, for example:



2. To identify the current position on a video tape press **CLEAR** and the tape counter will appear:









When you wish to return to this position on the video tape, press **ZERO BACK**. The tape will rewind/advance to this point.

NOTE:

- The tape counter will only operate on recorded sections of tape.

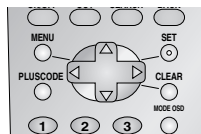
BLUE MUTE

The TV screen will be blue if a TV channel with no signal is selected, an unrecorded section of tape is played or the quality of the recording on the tape is poor. Select OFF to disable this feature.

1. Press **MENU** to display the main menu on the screen.
2. Press the ( / ) menu select buttons to select MODE.
3. Press **SET**.
4. Press the ( / ) menu select buttons to select BLUE MUTE.
5. Press ( / ) to select OFF.
6. Press **SET** and then **MENU** to return to the normal screen.

MODE MENU SCREEN





N I C A M	A U T O	O F F
C O L O U R	A U T O	P A L
B L U E M U T E	A U T O	O F F
R E P E A T	O N	O F F



Remote Control

COLOUR

If the VCR is playing poor quality recording, the picture may turn black and white. Selecting PAL may improve this (depending on the recording), although coloured speckles may appear on black and white recordings.

1. Follow steps 1 to 3 from BLUE MUTE.
2. Press the ( / ) menu select buttons to select COLOUR.
3. Press ( / ) to select AUTO/PAL.
4. Press **SET** and then **MENU** to return to the normal screen.

ADVANCED OPERATION

SEARCHING THE VIDEO TAPE

SKIP SEARCHING THE VIDEO TAPE

You can search the tape in 30 second time intervals. To do this follow the procedure below:

1. Press **PLAY/X2** (▶) to start the video tape playing.
 2. Press **SKIP SEARCH** on the remote control.
The number of times you press **SKIP SEARCH** determines the forward search time.
 - 1 press = 30 seconds.
 - 2 presses = 1 minute.
 - 3 presses = 1 minute 30 seconds.
 - 4 presses = 2 minutes.
- After searching, normal playback will resume automatically

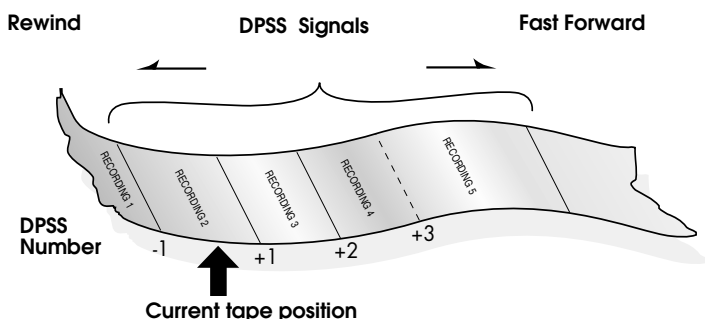
DIGITAL PROGRAMME SEARCH SYSTEM (DPSS)

Your VCR records a marker signal on the tape at the start of each recording. These signals can be used later to locate the starting point of a recording.

Press **DPSS** ◀ / ▶ to locate a previous programme or the next programme.

For example,

1. Load the video tape into the VCR.
2. Press **DPSS** ▶ three times. The number **3** will appear on the on-screen display, and the VCR will fast forward to locate the third recording after the current one.
3. Press **DPSS** ◀ once. A **-1** will appear on the on-screen display and the VCR will rewind to locate the beginning of the current recording.



4. To cancel the search before it has finished, press **STOP** (■) or **PLAY/X2** (▶).

NOTES:

- Recordings must be longer than 3 minutes.
- The starting point of playback may vary.
- This feature will only work with video tapes recorded on a VCR with the DPSS feature.

If problems persist contact the SHARP Helpline on tel: 0990-274277

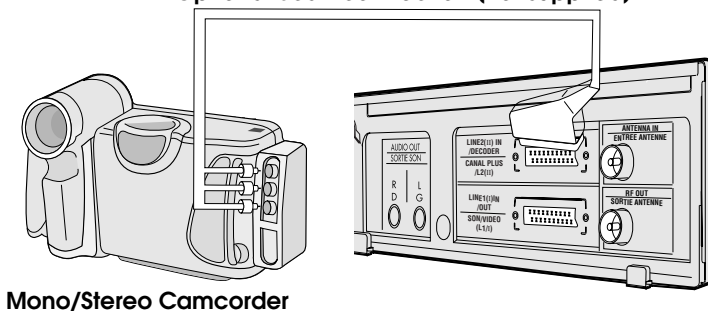
ADVANCED OPERATION

RECORDING FROM OTHER EQUIPMENT

You can record video and audio signals from various external sources, such as a camcorder, onto a video tape using your VCR.

For example, recording from a camcorder connected to LINE 2 IN/DECODER on your VCR:

Optional Scart connection (not supplied)



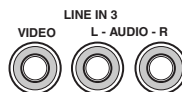
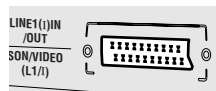
1. Connect your signal source (eg. Camcorder, Digital Camera etc) to the desired scart socket on the back of the VCR using the manufacturers recommended cable (not supplied).
2. Ensure that the tape on which you wish to record is inserted into the VCR.
3. Press **INPUT SELECT** on the remote control until the VCR display shows **L2**.
4. Press **REC** to start recording.

Input Select



OTHER CONNECTIONS POSSIBLE!

- If you wish to record from a source connected to LINE 1 IN/OUT, select **L1**. Press **REC** to start recording.
- If you wish to record from a source connected with audio phono leads to the sockets on the front of the VCR (if fitted), select **L3**. Press **REC** to start recording.



NOTE:

- There are many different ways of connecting external equipment to your VCR. Please refer to your equipment operation manuals for further information.

If problems persist contact the SHARP Helpline on tel: 0990-274277

ADVANCED OPERATION

DECODER SWITCHING OPERATION

If you connect a separate decoder to the VCR connected to L2 as previously shown, you will need to set the decoder function to **ON** in order to record the descrambled signal and/or watch it on your TV. Now, when the VCR receives a scrambled signal it is output via LINE 2 terminal to the decoder. The decoder then outputs the descrambled signal back to LINE 2 terminal and the signal can be recorded. The VCR outputs the descrambled signal to your TV through the LINE1 terminal and you can watch the descrambled picture.

When making recordings using a separate decoder connected as shown remember to leave the decoder function ON.

If you connect a decoder unit to the VCR, the decoder unit provides a switching signal which will automatically allow your TV to display the descrambled signal routed through the VCR. To use this feature make sure that the VCR is connected to both TV and decoder unit by SCART leads. Then:

- Press **STANDBY** to place the VCR in STAND-BY mode. OR
- Press **[TV/VCR]** on the remote control to place the VCR in 'VCR mode'. 'VCR' will appear on the display.











If you switch the decoder function ON when connected to a decoder unit as shown you will NOT be able to watch the descrambled picture in TV mode or in VCR mode.

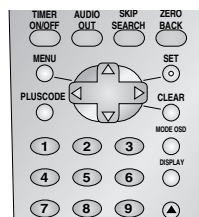
SPECIAL FEATURES ON YOUR VCR

POST CODE SECURITY

This feature should allow the Police to identify you as the owner of the VCR if it is stolen. Each time the VCR is turned on your postcode will be displayed for 5 seconds. Your postcode cannot be changed or removed without first entering the correct PIN - number.

If you wish to use this function, follow the procedure below.

1. Press **MENU**.
2. Press the ( / ) menu select buttons to select SET UP. Press **SET** to confirm.
3. Press ( / ) to select POST CODE. Press **SET** to confirm.
4. Enter your desired PIN number using the **NUMBER BUTTONS** or the ( / ) buttons. This must be a 4 digit number in the range 0000 - 9999.
5. Using the ( /  /  / ) buttons, enter your Postcode. Press **SET** to confirm.
6. Record your PIN number in the box provided for future reference.




Remote Control

NOTE:

- Your Postcode can be changed at any time, but you must first enter your correct PIN number. If the wrong PIN number is entered, an ERROR message will appear. Re-enter the correct number.

If you wish to change your PIN number at any time:

1. Follow steps 1 to 3 above.
2. Enter your current PIN number. Press **SET** to confirm
3. Press  to re-select PIN number.
4. Enter your new PIN number. Press **SET** to confirm.

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IMPORTANT:- Please keep your Operation Manual separate from your VCR.

If problems persist contact the SHARP Helpline on tel: 0990-274277

SPECIAL FEATURES ON YOUR VCR

LOW POWER FEATURE

To meet new power regulations your VCR can be placed in LOW POWER mode. In LOW POWER mode the VCR power consumption is reduced to below 1 Watt.

LOW POWER MODE

1. Press **STANDBY** (⏻) to place the VCR in STANDBY mode.
2. Press **STANDBY** (⏻) again to place the VCR in LOW POWER mode. The VCR digital display will appear blank.

The VCR power consumption will now be below 1 Watt.

DISENGAGING LOW POWER MODE

Either Press **STANDBY** (⏻) to return the VCR to STANDBY mode.

Or Press **STOP** (■) to use the VCR.

NOTES:



- With poor signal conditions an increase in noise may be observed on the screen in LOW POWER mode.
- When entering STANDBY, noise may be observed.
- If a signal is input from an AV source, the VCR may not go into true LOW POWER mode.
- When disengaging LOW POWER mode from the VCR press the STANDBY button.

CHILD LOCK

You can lock your VCR with this feature. It will work even when the VCR is in STANDBY, preventing children from operating the VCR.

TO ENGAGE CHILD LOCK

Press and hold  on the remote control for about 2 seconds.

 flashes and then  remains lit on the VCR display confirming that CHILD LOCK has been activated.


Regardless of what other operating buttons are touched, the VCR will continue to operate in its present mode. If CHILD LOCK is activated during playback, once the tape reaches its end, the VCR will automatically rewind the tape, eject it, and turn the power off.

TO DISENGAGE CHILD LOCK

Press and hold  for about 2 seconds.

 starts flashing and then disappears. CHILD LOCK is disengaged.

NOTES:

- If you attempt to change modes by pressing another button while CHILD LOCK is on, the  indicator will flash on the VCR display.
- If power is interrupted for more than 60 seconds (due to power failure etc), CHILD LOCK may disengage.

If problems persist contact the SHARP Helpline on tel: 0990-274277

CUSTOMISED INSTALLATION

MANUALLY TUNING A CHANNEL

It should not be necessary to tune in a broadcast channel manually except in unusual circumstances such as poor signal.

To manually tune in a channel follow the procedure below.

1. Press **MENU**.
2. Press (▲ / ▼) to select SET UP. Press **SET** to confirm.
3. **CHANNEL PRESET** will be highlighted. Press **SET**.
4. Press (▲ / ▼) to select **CHANNEL**.

5. IMPORTANT NOTE:

Press (I/II) to select CH or CC. This will determine whether off air (CH) or cable (CC) is tuned first. Note that both off air and cable will be tuned regardless of the setting.

6. Press (◀ / ▶) to start tuning in either direction. Tuning will stop when a channel is received. If it is not the desired channel, press (◀ / ▶) to continue tuning.
7. Press (▲ / ▼) to select **FINE TUNING**. Press and hold (◀ / ▶) until the sharpest colour picture is obtained.

IMPORTANT NOTE:

8. If you connect an independent decoder, you must press (▲ / ▼) to select DECODER, then select (◀ / ▶) to turn the decoder function ON.

9. Press (▲ / ▼) to select **SKIP**.
The SKIP function determines whether the channel can be selected when using the **CHANNEL** ▲ / ▼ instead of the **NUMBER BUTTONS**.
10. Press (◀ / ▶) to select ON or OFF for this option.
11. Press **SET** to confirm.
12. Press **MENU** to leave this function.

CHANNEL PRESET
CHANNEL SORT
CLOCK

→ **PRESET**
CHANNEL
FINE TUNING
DECODER
SKIP ON ON 1
CH 2 1
◀ **OFF** **OFF**

CABLE RECEPTION

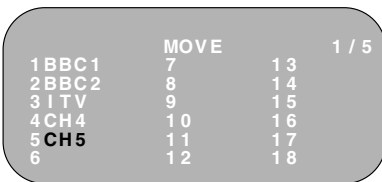
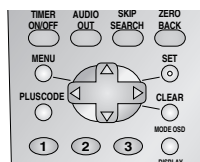
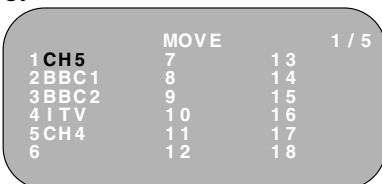
Station Signals VHF	Real Channel Numbers
A	01
B	02
C	03
D	04
E	05
F	06
G	07
H	08
J	09

If problems persist contact the SHARP Helpline on tel: 0990-274277

MANUALLY SORTING CHANNELS**SORTING THE CHANNELS INTO YOUR PREFERRED ORDER**

When your VCR tunes in broadcast channels automatically it sorts them into a standard order using teletext information. You can change the order of the channels with the following procedure.

1. Press **MENU**.
2. Press the (▲/▼) menu select buttons to select SET UP. Press **SET** to confirm.
3. Press (▲/▼) to select CHANNEL SORT. Press **SET** to confirm.
4. The MOVE position will be highlighted. Press **SET** to confirm.
5. Press (▲/▼/◀/▶) to highlight the channel to be moved. Press **SET** to confirm.
6. Press (▲/▼/◀/▶) to highlight the new position for the channel. Press **SET** to confirm.
7. If any more channels are to be moved, repeat procedure from step 5.
8. When all the channels are in your preferred order, press **MENU** to leave the MENU function.

2. MENU SCREEN**5.****6.****Remote Control**

MANUALLY SORTING CHANNELS

DELETING CHANNELS

If there is a channel you wish to delete from the VCR memory you can follow the procedure below.

1. Press **MENU**.
2. Press the (▲/▼) menu select buttons to select SET UP. Press **SET** to confirm.
3. Press (▲/▼) to select CHANNEL SORT. Press **SET** to confirm.
4. Press (▲/▼) to select CANCEL. Press **SET** to confirm.
5. Press (▲/▼/◀/▶) to highlight the channel to be cancelled.
6. Press **SET** twice to cancel the channel.
7. When all the channels you wish have been cancelled, press **MENU**.

2. MENU SCREEN

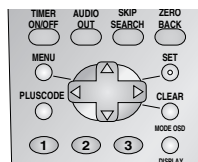
TIMER
MODE
SET UP

5.

	CANCEL	1 / 5
1 BBC1	7	13
2 BBC2	8	14
3 CH5	9	15
4 ITV	10	16
5 CH4	11	17
6	12	18

6.

	CANCEL	1 / 5
1 BBC1	7	13
2 BBC2	8	14
3 ITV	9	15
4 CH4	10	16
5	11	17
6	12	18



Remote Control

MANUALLY SORTING CHANNELS**RE-NAMING CHANNELS**

When your VCR tunes in broadcast channels automatically, it names them using teletext information. You can change the name of a channel with the following procedure.

1. Press **MENU**.
2. Press the (▲/▼) menu select buttons to select SET UP.
Press **SET** to confirm.
3. Press (▲/▼) to select CHANNEL SORT.
Press **SET** to confirm.
4. Press (▲/▼) to highlight NAME.
Press **SET** to confirm.
5. Press (▲/▼/◀/▶) to highlight the channel to be named.
Press **SET** to confirm.
6. Press (◀/▶/▲/▼) to rename the channel.
Press **SET** to confirm.
7. If any more channels are to be renamed, repeat procedure from step 5.
8. When all the channels are named correctly, press **MENU** to leave the MENU function.

2. MENU SCREEN

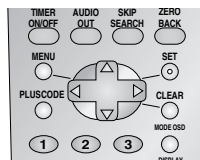
MODE
SET UP

5.

	NAME	1 / 5
1 BBC1	7	
2 BBC2	8	
3 ITV	9	
4 CH7	10	
5 CH5	11	
6	12	

6.

	NAME	1 / 5
1 BBC1	7	
2 BBC2	8	
3 ITV	9	
4 CH4	10	
5 CH5	11	
6	12	

**Remote Control**

CUSTOMISED INSTALLATION

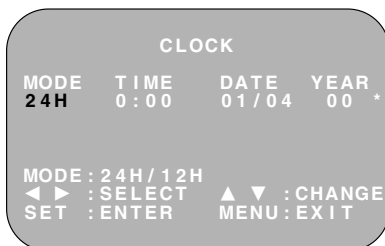
MANUALLY SETTING THE CLOCK

The clock will normally be set using teletext information during the VCR's auto installation of the broadcast channels. If for any reason teletext signals are not present your VCR will not be able to set the clock. This procedure will allow you to set the clock manually.

1. Press **MENU**.
2. Press the (▲/▼) menu select buttons to select SET UP. Press **SET** to confirm.
3. Press (▲/▼) to select CLOCK. Press **SET** to confirm.

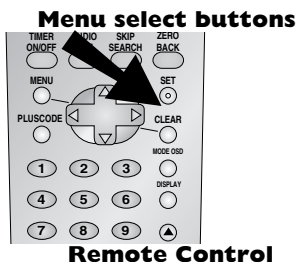


4. Press (▲/▼) to select either 12 or 24 hour clock.
5. Press (◀/▶) to select TIME. Enter the time using the **NUMBER BUTTONS** or (▲/▼). If the minutes or hours are less than 10, enter the leading 0. If using the 12 hour clock enter AM or PM by pressing (⌚) on the remote control.



6. Press (◀/▶) to select DATE. Enter the date using the **NUMBER BUTTONS** or the (▲/▼). For example, for 1st April enter **01 04**.
7. Press (◀/▶) to select YEAR. Enter the last two digits of the year using the **NUMBER BUTTONS** or (▲/▼). For example, for 2000 enter **00**. For the year 2001 enter **01**.

8. Select * for **AUTO CLOCK** on/off (* is **ON**, - is **OFF**). Then press **SET** to confirm.



NOTE:

- If **AUTO CLOCK** is set to **OFF** (= is **OFF**) then you will need to update the clock for daylight saving.

If problems persist contact the SHARP Helpline on tel: 0990-274277

VCR DIGITAL DISPLAY



1. **AUDIO OUTPUT** indicators.
2. **TIMER** indicator.
3. **PLAY** indicator.
4. **RECORDING** indicator.
5. **STOP** indicator.
6. **VCR TAPE** indicator.
7. **PRESET** indicator.
8. **VCR mode** indicator.
9. **VIDEO PROGRAMMING SYSTEM/ PROGRAMME DELIVERY CONTROL** indicator.
10. **DECODER** indicator.
11. **LONG PLAY** indicator.
12. **STANDARD PLAY** indicator.
13. **CHILD LOCK** indicator.
14. **AM/PM** indicators.

NOTE:

- Some models do not have all the features shown, therefore, they will not appear on the display.

SELECTING THE OUTPUT FROM THE VCR

If your VCR is connected to your TV with a scart lead, when you start to play a video tape the VCR will automatically switch its output so that playback picture is shown on the TV.

In this case 'VCR' will appear on the VCR display.

You can manually override this by pressing **[TV/VCR]** on the remote control. Now the TV broadcast channel will be seen on the TV screen and 'VCR' will disappear from the VCR display.

- Pressing **[TV/VCR]** again will return the TV picture to the playback picture.

MORE INFORMATION ABOUT YOUR VCR

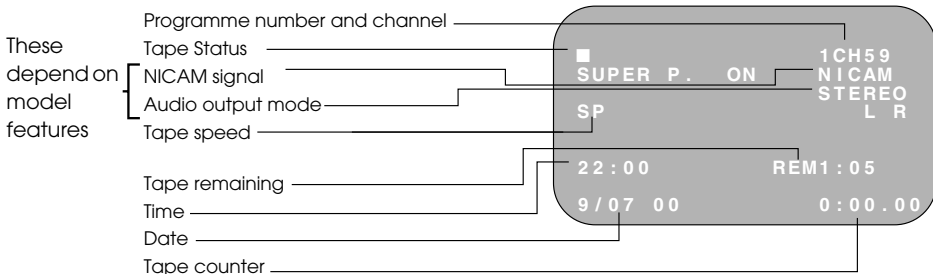
ON-SCREEN DISPLAY

All the information you need on the VCR status will be summarised on the on-screen display. If you are recording, playing back a tape or watching a broadcast on the video channel you can call up three standard on-screen displays. The display can be selected by pressing the **MODE OSD** button on the remote control, 1,2,3 or 4 times.

1. **AUTO**, the current mode and channel number will be displayed for 3 seconds when an operation or number button is pressed.
2. **FULL**, all the active features will also be shown on screen.



2.



3. **COUNTER**, this display will show the tape counter and amount of tape remaining.
4. **DISPLAY OFF**, this will remove the display from the screen.

3.



NOTES:

- The default time and date will not be displayed if the clock has not been set.
- The VCR will return to display 1. each time it is switched on.
- If you are recording from this VCR to another, make sure you remove the display from the screen otherwise it will be recorded.

If problems persist contact the SHARP Helpline on tel: 0990-274277

SPECIFICATIONS

Format:	VHS PAL standard
Number of heads:	Six
Video signal system::	PAL colour or monochrome signal: 625 lines
Hi-Fi audio recording system:	Deep layer recording system conforming to stereo Hi-Fi VHS standard.
Maximum playing time:	240 min. with E-240 video cassette in Standard Play (SP) mode 480 min. with E-240 video cassette in Long Play (LP) mode
Tape width:	12.7 mm
Tape speed:	23.39 mm/s Standard Play (SP): 11.70 mm/s Long Play (LP)
Antenna:	75 Ω unbalanced
Reception channels:	UHF channel 21-69, VHF channel A-J
RF output signal:	UHF channel 21-69
Power requirement:	AC 230-240V, 50 Hz
Power consumption:	17 W approx. (LOW POWER \leq 1W)
Operating temperature:	5 °C to 40 °C
Storage temperature:	-20 °C to 55 °C
Video input:	1.0 Vp-p, 75 Ω
Video output:	1.0 Vp-p, 75 Ω
Audio input:	Line1&2: -3.8 dBs, 10 k Ω , Line 3: -3,8 dBs, 47 k Ω
Audio output:	Line1&2: -3.8 dBs, 1 k Ω , Audio out: -3,8 dBs, 1 k Ω
Dimensions:	430(W) x 300(D) x 91.5(H) mm
Weight:	4.3 kg (approx.)
Supplied accessories:	75 Ω RF Connection cable, operation manual, remote control, AA/R6/UM3 battery (x2)

- Specifications are subject to change without notice as part of our policy of continuous improvement.
- No liability is accepted for any inaccuracies or omissions in this publication, although every possible care has been taken to make it complete and as accurate as possible.


TROUBLESHOOTING

TROUBLESHOOTING

BEFORE REQUESTING SERVICE!

The following conditions do not always denote trouble. Therefore, perform the checks described below before calling for service. If the problem cannot be corrected by the use of this guide, remove the mains plugs from the wall socket and contact the dealer or supplier from whom the unit was purchased in order to obtain service. Where this is not possible, please contact the telephone number listed below, you will then be given details of how to obtain service.

Tel.: 0345 125387 - Please note: All calls will be charged at local rate.

AREA	PROBLEM	POSSIBLE CAUSE/CURE
<u>INITIAL INSTALLATION</u>	When the VCR is first plugged in the VCR display appears blank. When the STANDBY (⏻) button is pressed the display still appears blank.	<ul style="list-style-type: none">The Video may be in LOW POWER mode. Press the STOP (■) button to switch the VCR on then press and hold the MENU and CHANNEL ▼ buttons together on the front of the VCR for 10 seconds. Now continue from step 1 of TUNING THE TV INTO THE VCR.
<u>INSTALLATION</u>	TV will not tune in to the VCR.	<ul style="list-style-type: none">Check all the cables are correctly connected.Check your TV manual for correct tuning of your TV.
	Auto Installation screen does not appear when the VCR is switched on OR Auto Installation is not complete.	<ul style="list-style-type: none">Reset the VCR and complete AUTO INSTALLATION again. (Refer to VCR Reset at the back of the book.)
<u>POWER</u>	Display is not working.	<ul style="list-style-type: none">Make sure the VCR is not in LOW POWER mode.Make sure the power cord is plugged in.Make sure the wall socket has power (check by plugging another appliance in).
	VCR will not operate -  appears in VCR display.	<ul style="list-style-type: none">Press the TIMER ON/OFF button to disengage timer.
	VCR will not respond to any commands.	<ul style="list-style-type: none">Check CHILD LOCK is not engaged.Safety device operating: unplug VCR for 2 hours.
<u>PLAYBACK</u>	No picture appears.	<ul style="list-style-type: none">Make sure the TV is set to the video channel.Check all connecting cables.
	Playback picture is snowy.	<ul style="list-style-type: none">Adjust the tracking using CHANNEL ▼ / ▲ buttons.Try another tape.The video heads may have been contaminated - refer to a SHARP Service Facility.

If problems persist contact the SHARP Helpline on tel: 0990-274277

TROUBLESHOOTING

AREA	PROBLEM	POSSIBLE CAUSE/CURE
<u>RECORDING</u>	Tape is automatically ejected when pressing REC (●) or TIMER ON/OFF buttons.	<ul style="list-style-type: none"> The record-protection tab has been removed.
	VIDEOPLUS+ does not record desired programme.	<ul style="list-style-type: none"> Broadcast does not carry VPS/PDC signal which alters recording time. Check VPS/PDC mode is switched to ON. Ensure date and time are correctly set on the VCR.
<u>TAPE TRANSPORT/MECHANISM</u>	Tape can not be loaded.	<ul style="list-style-type: none"> Make sure there is no other tape in the VCR. Make sure you are loading the tape correctly.
	Rewind is not possible.	<ul style="list-style-type: none"> Make sure the tape is not at the start.
<u>REMOTE CONTROL</u>	The VCR can not be operated by remote control.	<ul style="list-style-type: none"> Remote control is too far away from the main unit. Point the remote control at the VCR. Batteries are flat - replace both. Batteries have not been inserted correctly. VCR is positioned in strong light.
<u>OTHER PROBLEMS</u>	Picture does not change even though CHANNEL ▼ / ▲ buttons are pressed.	<ul style="list-style-type: none"> Make sure the VCR is not in Timer or Menu mode.
	Desired channel position can not be selected.	<ul style="list-style-type: none"> The channel position has been set to be skipped. Cancel the SKIP mode for that channel.
	No colour or poor TV picture on normal viewing.	<ul style="list-style-type: none"> Make sure all the cables are connected properly. Make sure the VCR power cord is properly plugged in.
	Not possible to view picture or playback through RF OUT.	<ul style="list-style-type: none"> Make sure the RF OUTPUT has not been switched off. (Refer to note on RF THROUGH ON/OFF in the TUNING THE TV TO THE VCR section of the manual.)
	Desired channel has interference.	<ul style="list-style-type: none"> Possible weak signal strength, the same channel with a better signal strength may have been tuned in on another VCR preset channel. Example; VCR preset 1 = BBC1 and VCR preset 14 = BBC1 (Refer to Manually Sorting Channels section to move the channel to your desired position.) TV aerial may need adjusting.
	No picture appears.	<ul style="list-style-type: none"> Make sure the TV is on the video channel. Check all connecting cables.

GUARANTEE

SHARP Electronics (UK) Ltd. (hereafter called Sharp) guarantee to provide for the repair, or at its option the replacement, of this product subject to the conditions listed below:

1. This guarantee shall only apply to faults which are due to inferior workmanship or materials. It does not cover faults or damage by accident, misuse, fair wear and tear, neglect, tampering with the product, or repair other than by a Service Facility appointed by SHARP.
2. As this product is intended for private domestic use only, the guarantee will not apply if the product is used in the course of a business, trade or profession.
3. To benefit from this guarantee, any fault which occurs must be notified to SHARP, or its appointed Service Facility within one year from the date this product was purchased. Proof of purchase must be provided.
4. The guarantee does not cover carriage costs, batteries or video tapes.
5. In the unlikely event of this product requiring repair, please contact the supplier from whom it was purchased. Where this is not possible, please contact the SHARP Helpline on the telephone number given below.
6. This guarantee is offered as an additional benefit to your statutory rights and does not affect these rights in any way.
7. No person has any authority to vary the terms or conditions of this guarantee.

If you have any difficulty operating this product, or would like information on other SHARP products, please telephone the SHARP Helpline on the number given below.

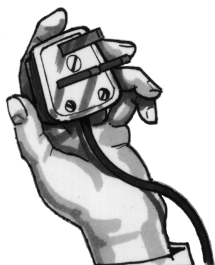
SHARP Helpline: Tel: 0990 274277

Please note that all calls are charged at local rate.

In the unlikely event of this equipment requiring repair during the guarantee period, you will need to provide proof of the date of purchase to the repairing company. Please keep your invoice or receipt which is supplied at the time of purchase.



If problems persist contact the SHARP Helpline on tel: 0990-274277

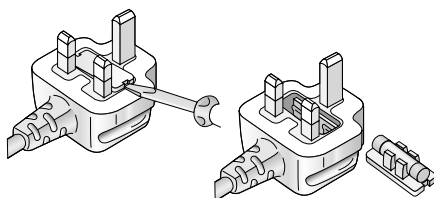
CONNECTING TO THE MAINS



This VCR is suitable only for connection to UK mains. The unit is fitted with a moulded 3-pin mains plug with a 3-amp fuse. The VCR does not have a mains power switch. When connected to the mains, the unit will draw current at all times to power the clock. Be sure to unplug the VCR when it is not to be used for several months.

TO REPLACE THE FUSE:

You must use a 3-amp fuse, marked  (ASTA) or  (BSI) to BS-1362. Remove the fuse cover as shown. Replace the fuse and re-fit the fuse cover securely into the plug.



Never connect the plug to the mains without the fuse cover fitted.

TO REPLACE THE MAINS PLUG:

If the plug fitted is unsuitable for the mains socket in your home, cut off the plug, remove the fuse and dispose of the cut-off plug safely.



Severe electric shock may occur if you connect the cut-off plug to a mains socket. If a new plug is fitted, observe the wiring code supplied by the plug manufacturer (and given below.) If you have any doubt, consult a qualified electrician.

The wires in the mains cable are colour coded as follows: blue = neutral, brown = live. As the colours of the wires may not correspond with the terminals in your plug, connect the wires following plug manufacturer's guide:

- blue wire to the terminal marked N or coloured black or blue.
- brown wire to the terminal marked L or coloured red or brown.



- **Ensure neither the brown nor the blue wire is connected to the earth terminal in your plug.**
- **Do not allow water to come into contact with the power supply cord or plug.**
- **A damaged power supply cord or loose plug may cause electric shock.**
- **Contact your SHARP dealer or a qualified electrician. Do not use the VCR.**

If problems persist contact the SHARP Helpline on tel: 0990-274277

CALLING FOR SERVICE

- If you are unable to resolve a problem using the TROUBLESHOOTING guide, do not remove the cabinet or attempt to service this VCR yourself.
- For service please contact your dealer. If this is not possible, please call our Customer Information Centre for details of your nearest Sharp Service Centre.
- In the unlikely event of this equipment requiring repair during the guarantee period, you will need to provide proof of the date of purchase to the repairing company. Please keep your invoice or receipt which is supplied at the time of purchase.
- Certain replacement parts and accessories may be obtained from our main parts distributor who can be contacted at: Willow Vale Electronics Limited
Tel. Manchester 0161 205 7531/Birmingham 0870 600 0271. Most credit/debit cards accepted.

SHARP Customer Helpline: Tel: 0990 274277

This equipment complies with the requirements of Directives 89/336/EEC and 73/23/EEC as amended by 93/68/EEC.

- Specifications are subject to change without notice as part of our policy of continuous improvement.
- No liability is accepted for any inaccuracies or omissions in this publication, although every possible care has been taken to make it complete and as accurate as possible.

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